

Application Serial No. 10/002,049
Amendment dated July 30, 2003
Reply to final Office Action dated April 8, 2003

Listing of Claims:

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Currently Amended) An oven door locking mechanism comprising:

a clutch mechanism comprising a thermally responsive element, a clutch, and a lock member; and


a first spring in contact with said lock member,

wherein said lock member defines a first side of said clutch as a keyed aperture, said keyed aperture is engaged with said thermally responsive element,

whereby the oven door locking mechanism locks and unlocks ~~the~~ an oven door at

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substantially different temperatures.

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8. (Original) The oven door locking mechanism of claim 7, wherein the keyed aperture comprises an annular recess.
9. (Original) The oven door locking mechanism of claim 7 wherein said lock member has a first end and a second end, said first end defines said keyed aperture.
10. (Original) The oven door locking mechanism of claim 7 wherein said thermally responsive element defines a second side of said clutch as a slot, said slot in engagement with said keyed aperture.
11. (Original) The oven door locking mechanism of claim 7 wherein said first spring encompasses said lock member.
12. (Original) The oven door locking mechanism of claim 10 wherein said slot is elongated.

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13. (Original) The oven door locking mechanism of claim 7 further comprising:

1 xl
a latch mechanism defining a lock hole adapted to receive said lock member;

and

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a mounting bracket wherein said first spring is affixed to said mounting bracket.

14. (Original) The oven door locking mechanism of claim 10 wherein

said thermally responsive element is a bimetallic leaf secured at a first end and
defining said slot at a second end.

15. (Original) The oven door locking mechanism of claim 13 wherein

said lock hole comprises a receiver member.

16. (Original) The oven door locking mechanism of claim 15 wherein

said receiver member is a bushing.

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17. (Original) An oven door locking mechanism comprising:

a clutch;

a thermally responsive element defining a second side of said clutch as a slot;

a lock member defining a first side of said clutch as a recess, said recess is engaged with said slot;

a latch mechanism defining a lock hole adapted to receive said lock member at end opposite said recess, said lock hole comprises a bushing; and

a mounting bracket comprising a first spring, said first spring encompasses said lock member.

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)